



## Local Situation Report

Prepared: 08/16/14@0900

Local	GACC	Nat'l
2	2	4

**Today's Fire Danger**  
**VERY HIGH**

## INCIDENT SUMMARY for Yesterday

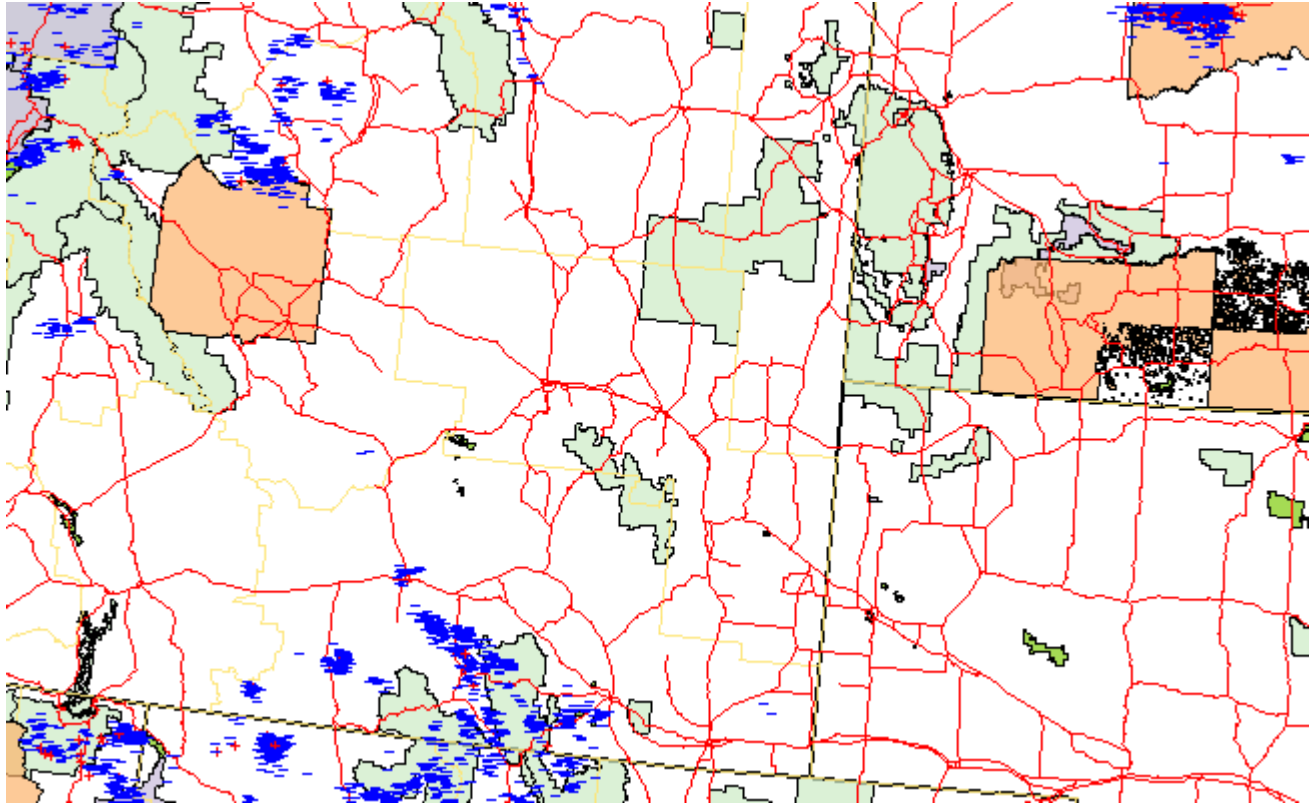
COUNTY AND STATE FIRES						
<u>Unit</u>	<u>Inc Name</u>	<u>Size</u>	<u>Cause</u>	<u>Status</u>	<u>Location</u>	<u>Remarks</u>

MED BOW NATIONAL FOREST						
<u>Unit</u>	<u>Inc Name</u>	<u>Size</u> (Acres)	<u>Cause</u>	<u>Status</u>	<u>Location</u>	<u>Remarks</u>

WHPD BLM						
<u>Unit</u>	<u>Inc Name</u>	<u>Size</u>	<u>Cause</u>	<u>Status</u>	<u>Location</u>	<u>Remarks</u>

Area Discussion: No IA yesterday. Fire Weather Watch in effect for Zone 301 for this afternoon and evening.

### Lightning Map



### INDICES (forecasted/actual)

<u><b>FDRA</b></u>	<b>Predicted Today</b>		
	<b>Indices</b>	<b>Forecasted for 8/16</b>	<b>Actual for 8/15</b>
Echeta	BI	63	79
Rochelle Hills	ERC	15	15
Rochelle Hills	BI	53	78
Poker Creek	ERC	57	58
Casper Mtn	ERC	57	58
Fales Rock	BI	79	83
Sandstone	ERC	N/A	50
Esterbrook	ERC	54	53
Sawmill Park	ERC	37	31

## Duty Officers for Today:

<b><u>Duty Officers</u></b>	FS - Laramie	<b>Gonnoud</b>
	FS - Saratoga	<b>Rogge</b>
	FS - Douglas	<b>Westbrook</b>
	BLM	<b>Ellis</b>
	State	<b>Graham</b>
	FS – MBF NF	<b>Bentley</b>
	Dispatch	<b>Adams</b>

<b>Local Aviation Resources</b>		Location	Status
	2TJ (Duncan) State	<b>Duncan HB</b>	<b>Avail.</b>
	2HX (Rawlins) BLM	<b>Rawlins</b>	<b>Avail.</b>

## Pumpkin Time for Aircraft for Today:

	Sunrise	Sunset	Pumpkin Time
Gillette	0606	2005	<b>2035</b>
Casper	0613	2006	<b>2036</b>
Glenrock	0611	2004	<b>2034</b>
Laramie	0613	2000	<b>2030</b>

## Fire Restriction for the zone:

Agency	Date	Closed	Remarks
WEX	7/10		Weston Cnt open burning restrictions
BLM	7/10		BLM Lands Weston County
SHX	7/28		Open burning restrictions
JOX	7/17		Open burning restrictions
BLM	8/1		Open burning restrictions

# Weather Discussion

WYZ280 -  
NATRONA COUNTY/CASPER BLM

FIRE DANGER WILL BE ENHANCED TODAY. HIGH TEMPERATURES WILL RISE BY 1 TO 3 DEGREES OVER THOSE OF YESTERDAY...RANGING INTO THE MID 60S IN THE MOUNTAINS TO THE UPPER 80S TO AROUND 90 AT LOWER ELEVATIONS. WINDS WILL TEND VARIABLE AT AROUND 10 MPH ACROSS THE NORTHERN ZONES...TO WEST AT 10 TO 20 MPH FOR SOUTHERN LOCATIONS. MINIMUM RELATIVE HUMIDITY VALUES WILL DROP INTO THE MIDDLE TEENS (PERCENT) AT LOWER ELEVATIONS TO THE MID 30S IN THE BIG HORN MOUNTAINS. NO SHOWERS OR THUNDERSTORMS ARE EXPECTED TODAY. SUNDAY...TEMPERATURES WILL REMAIN ABOUT THE SAME AS THOSE OF TODAY...WITH MINIMUM RH VALUES AND WINDS ALSO REMAINING ABOUT THE SAME. A SLIGHT CHANCE FOR STORMS ARE EXPECTED ACROSS ZONE 289. FIRE DANGER WILL REMAIN ENHANCED FOR ANOTHER DAY.

...THUNDERSTORMS IMPLY STRONG GUSTY AND ERRATIC WINDS...  
...HAINES INDEX IS HIGH LEVEL HAINES BOTH DAY AND NIGHT...

## .TODAY...

SKY/WEATHER.....MOSTLY SUNNY UNTIL 1200...THEN PARTLY CLOUDY.  
MAX TEMPERATURE.....85-90.  
24 HR TREND.....2 DEGREES WARMER.  
MIN HUMIDITY.....11-17 PERCENT.  
24 HR TREND.....UNCHANGED.  
20-FOOT WINDS.....WEST WINDS 10 TO 15 MPH WITH HIGHER GUSTS.  
RIDGE TOP WINDS.....WEST 15 TO 20 MPH.  
LAL.....1.  
CHC OF WETTING RAIN.ZERO PERCENT.  
TRANSPORT WINDS.....WEST 15 TO 20 MPH UNTIL 1200...THEN 20 TO 25 MPH.  
MIXING HEIGHT.....4000-6500 FT AGL UNTIL 1200...THEN 8000-10500 FT AGL.  
SMOKE DISPERSAL.....GOOD (74000-94000 KNOT-FT) UNTIL 1200...THEN VERY GOOD TO EXCELLENT (138000-158000 KNOT-FT).  
HAINES INDEX.....5 OR MODERATE POTENTIAL FOR LARGE PLUME DOMINATED FIRE GROWTH.

## .TONIGHT...

SKY/WEATHER.....MOSTLY CLEAR.  
MIN TEMPERATURE.....53-58.  
24 HR TREND.....2 DEGREES COOLER.  
MAX HUMIDITY.....63-69 PERCENT.  
24 HR TREND.....9 PERCENT DRIER.  
HUMIDITY RECOVERY...GOOD.  
20-FOOT WINDS.....NORTHWEST WINDS AROUND 10 MPH UNTIL 2100...THEN DOWNSLOPE/DOWNVALLEY 4-7 MPH. GUSTS UP TO 15 MPH.  
RIDGE TOP WINDS.....WEST 10 TO 15 MPH.  
LAL.....1.  
CHC OF WETTING RAIN.ZERO PERCENT.  
TRANSPORT WINDS.....WEST 15 TO 20 MPH.  
MIXING HEIGHT.....6500-9000 FT AGL UNTIL 2400...THEN 2500-4000 FT AGL.  
SMOKE DISPERSAL.....VERY GOOD (100000-120000 KNOT-FT) UNTIL 2400...THEN POOR TO FAIR (32000-50000 KNOT-FT).  
HAINES INDEX.....5 OR MODERATE POTENTIAL FOR LARGE PLUME DOMINATED FIRE GROWTH.

# Weather Discussion

WYZ301 -

NIOBRARA/LOWER ELEVATIONS OF CONVERSE/THUNDER BASIN NATIONAL  
GRASSLAND

...FIRE WEATHER WATCH IN EFFECT FROM SUNDAY AFTERNOON THROUGH  
SUNDAY EVENING FOR LOWER ELEVATIONS OF SOUTHEAST WYOMING...

.DISCUSSION...VERY WARM...DRY AND BREEZY CONDITIONS WILL PREVAIL  
THIS WEEKEND ACROSS THE DISTRICT...WITH CRITICAL CONDITIONS  
EXPECTED OVER PORTIONS OF SOUTHEAST WYOMING TODAY AND SUNDAY. FOR  
TODAY...RED FLAG CONDITIONS WILL BE FOCUSED ACROSS FAR WESTERN  
PORTIONS OF CARBON COUNTY WHERE HUMIDITIES IN THE LOW TEENS ARE  
EXPECTED TO SYNC WITH WIND GUSTS AROUND 25 MPH THROUGH THE  
AFTERNOON. ELSEWHERE...EITHER WINDS WILL BE LIGHTER...OR  
HUMIDITIES WILL BE HIGHER. FOR SUNDAY...VERY DRY AND BREEZY  
CONDITIONS ARE POSSIBLE OVER PORTIONS OF SOUTHEAST WYOMING BELOW  
7500 FEET...AND A FIRE WEATHER WEATHER WATCH IS IN EFFECT FOR  
THESE AREAS. A FEW T-STORMS ARE POSSIBLE ACROSS THE HIGHER  
ELEVATIONS LATE SUNDAY AFTERNOON AS WELL. THE NEXT CHANCE FOR  
MORE WIDESPREAD PRECIPITATION WILL BE MIDDLE OF NEXT WEEK.

...**FIRE WEATHER WATCH IN EFFECT FROM SUNDAY AFTERNOON THROUGH**  
SUNDAY EVENING...

## .TODAY...

SKY/WEATHER.....MOSTLY SUNNY.

MAX TEMPERATURE.....88-93.

24 HR TREND.....2 DEGREES WARMER.

MIN HUMIDITY.....13-19 PERCENT.

24 HR TREND.....3 PERCENT DRIER.

20-FOOT WINDS.....NORTHWEST UP TO 10 MPH INCREASING TO 10 TO 15  
MPH IN THE AFTERNOON. GUSTS UP TO 25 MPH.

LAL.....1.

CHC OF WETTING RAIN.ZERO PERCENT.

TRANSPORT WINDS.....NORTHWEST 5 TO 10 MPH.

## .TONIGHT...

SKY/WEATHER.....MOSTLY CLEAR.

MIN TEMPERATURE.....55-60.

24 HR TREND.....1 DEGREE COOLER.

MAX HUMIDITY.....77-83 PERCENT.

24 HR TREND.....10 PERCENT DRIER.

HUMIDITY RECOVERY...GOOD.

20-FOOT WINDS.....NORTHEAST UP TO 10 MPH.

LAL.....1.

CHC OF WETTING RAIN.ZERO PERCENT.

HAINES INDEX.....4 OR LOW POTENTIAL FOR LARGE PLUME DOMINATED  
FIRE GROWTH.

# Weather Discussion

WYZ307 -  
SNOWY RANGE/MEDICINE BOW NF

...FIRE WEATHER WATCH IN EFFECT FROM SUNDAY AFTERNOON THROUGH  
SUNDAY EVENING FOR LOWER ELEVATIONS OF SOUTHEAST WYOMING...

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THESE AREAS. A FEW T-STORMS ARE POSSIBLE ACROSS THE HIGHER  
ELEVATIONS LATE SUNDAY AFTERNOON AS WELL. THE NEXT CHANCE FOR  
MORE WIDESPREAD PRECIPITATION WILL BE MIDDLE OF NEXT WEEK.

## .TODAY...

SKY/WEATHER.....MOSTLY SUNNY UNTIL 1500...THEN PARTLY CLOUDY.  
ISOLATED SHOWERS AND THUNDERSTORMS AFTER 1500.  
MAX TEMPERATURE.....70-76.  
24 HR TREND.....6 DEGREES WARMER.  
MIN HUMIDITY.....17-23 PERCENT.  
24 HR TREND.....17 PERCENT DRIER.  
20-FOOT WINDS.....WEST 10 TO 15 MPH WITH HIGHER GUSTS.  
LAL.....1 UNTIL 1500...THEN 2.  
CHC OF WETTING RAIN.ZERO PERCENT.  
TRANSPORT WINDS.....WEST 15 TO 20 MPH.  
MIXING HEIGHT.....6300-7200 FT AGL INCREASING TO 9200-10300 FT  
AGL IN THE AFTERNOON.  
SMOKE DISPERSAL.....GOOD (99600 KNOT-FT) INCREASING TO EXCELLENT  
(167900 KNOT-FT) IN THE AFTERNOON.  
HAINES INDEX.....4 OR LOW POTENTIAL FOR LARGE PLUME DOMINATED  
FIRE GROWTH.

## .TONIGHT...

SKY/WEATHER.....MOSTLY CLEAR.  
MIN TEMPERATURE.....45-50.  
24 HR TREND.....UNCHANGED.  
MAX HUMIDITY.....55-61 PERCENT.  
24 HR TREND.....14 PERCENT DRIER.  
HUMIDITY RECOVERY...FAIR.  
20-FOOT WINDS.....WEST 10 TO 15 MPH. GUSTS UP TO 25 MPH IN THE  
EVENING.  
LAL.....1.  
CHC OF WETTING RAIN.ZERO PERCENT.  
TRANSPORT WINDS.....WEST 10 TO 15 MPH.  
MIXING HEIGHT.....4900-5600 FT AGL DECREASING TO 200-1700 FT AGL  
AFTER MIDNIGHT.  
SMOKE DISPERSAL.....GOOD (76800 KNOT-FT) DECREASING TO POOR (9000  
KNOT-FT) AFTER MIDNIGHT.  
HAINES INDEX.....5 OR MODERATE POTENTIAL FOR LARGE PLUME  
DOMINATED FIRE GROWTH.